

Smith River Rancheria

Wind & Biomass Power Generation Feasibility

DOE Tribal Energy Program
Program Review Meeting
October 17 - 21, 2005

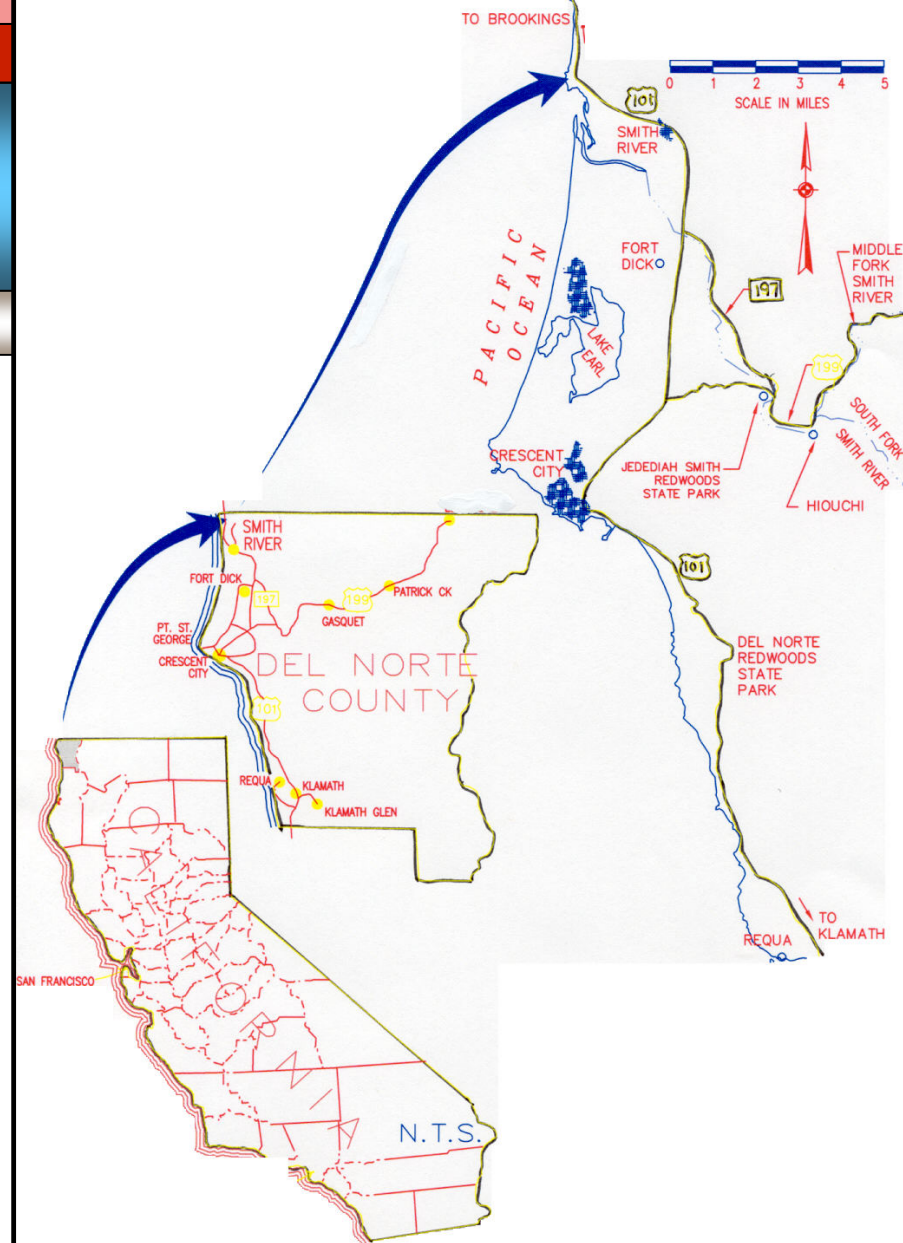


Smith River Rancheria

- Coastal Community of 600
- Members Living in Oregon
- Next Door to Booming Community
- Additional Development Opportunities

Location

- Northern California Location
- Members in Oregon
- Multiple Jurisdictions
 - Federal
 - Del Norte County
 - Curry County



Location

- Coastal Setting
- Wind Rich Area



Location

- Rancheria Location
 - Forested
 - Near Forest Products Company



Past Development

- Casino
- Gas Mart
- Community Center
- Head Start and Day Care Facility
- Pursuing Wastewater Treatment
- Plans for Six Other Tribal Facilities



Past Study

- Energy Planning and Self-sufficiency Study
 - Best Technology Options
 - Reduce Power Cost
 - Energy Self-sufficiency
 - Utilize Natural Resources
 - Establish Energy Organization
 - Training



Project Overview

- Determine Feasibility of Power Generation
 - Technical
 - Economic
 - Biomass
 - Wind

Participants

- Smith River Rancheria

- | | |
|-----------------|----------------------------|
| – Russ Crabtree | Tribal Administrator |
| – Jon Grant | Grants & Contracts Officer |
| – Nita Rolfe | Program Coordinator |
| – Dorothy Perry | Administrative Assistant |

Participants (Continued)

- Outside Expertise
- Multiple Experts Evaluating Feasibility
 - Higher Quality Results
 - More Creative Solutions
 - Better Access to Other Strategic Partners
- Nurture Partnerships

Participants (Continued)

- Consultants
 - Greg Retzlaff, Strategic Energy Solutions, Inc.
 - Lead Consultant, Economic, Benefits, Biomass
 - Leonard Gold, L. S. Gold & Associates, Inc.
 - Transmission, Interconnect, Benefits, Biomass
 - Stephen Anderson, Evergreen Energy Corporation
 - Utility, Power Marketing, Wheeling, Standby Power

Participants (Continued)

- Consultants (Continued)
 - David F Luck, Luck Variable Resources
 - Wind, Operation & Maintenance
 - Terry Thomas, Environmental Management Associates
 - Environmental Benefits, Impacts, Permitting Plan
 - JD Williams, Tribal Law Office
 - Deregulation, Jurisdiction, Community Awareness, Community Support Strategies

Participants

- Possible Partnerships
 - Local Forest Products Firm
 - Incumbent Utility - Pacific Power, California
 - Regional Cooperative - Coos-Curry Electric
 - Energy Funds
 - Independent Power Producers (IPP's)

Objectives

- Economical & Technical Feasible
- Evaluate Wind & Biomass
- Tribal Energy Load Assessment
- Community Need For Energy vs. Export
- Conservation Opportunities
- Power Market Assessment
- Site-specific Resource Monitoring

Match Tribal Objectives

- Energy Vision Statement & Guiding Principles
- Comprehensive Economic Development Strategy
- Support Tribal Energy Objectives
- Support Tribal Economic Development Objectives

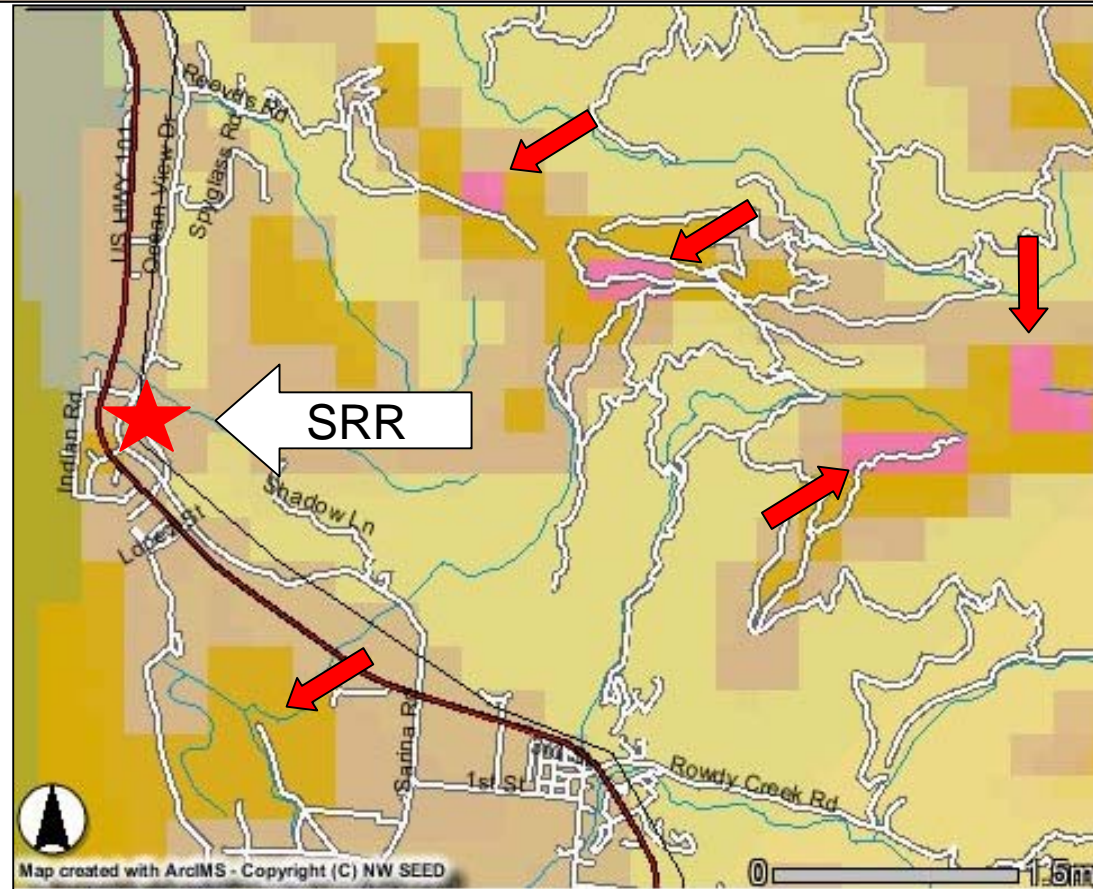
Background Information

- Wind Resources
 - Resource Available
 - Preliminary Sites Identified



Background Information

- Potential Sites
- Utilized Easiest if Close
- Sell to Market



Background Information

- Biomass
 - Resource Available
 - Existing Forest Products Industry
 - Possible Cogeneration Partnership



Wind & Biomass Power Generation Feasibility

Smith River Rancheria



Russ Crabtree - Tribal Administrator
Jon Grant - Grants & Contracts Officer

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